

# Underwater Sonic Child Locator

## Abstract

The device would be small enough to be attached to the child's wrist or ankle via a Velcro strap or some other suitable waterproof material. The actual device would be comprised of a water sealed box (similar to an oversized wrist watch) measuring 1.5 in. by 2.5 in. (water proof up to 50 ft.of depth) with a pulsating sound device (a piezo-electric transducer with a 1 in. diameter ceramic element encapsulated in polyurethane and capable of emitting an audible sonic pulse) that would travel underwater for at least 50 ft. The device would have a water-proof rubber encapsulated on / off switch and frequency switch incorporated on either the side of the water sealed box. Additional Specifications for the Sonic Child Locater are as follows:Operating Frequency:2,000 or 4,000 Hz., switchable.